

ABSTRACT

The present invention relates to a pharmaceutical composition comprising as an effective ingredient an oligopeptide identical or analogous to the C-terminal portion of OGP, having stimulatory activity on the production of hematopoietic cells. Preferred oligopeptides that are used are Tyr-Gly-Phe-Gly-Gly, Tyr-Gly-Phe-His-Gly, Gly-Phe-Gly-Gly or Met-Tyr-Gly-Phe-Gly-Gly. More specifically, these oligopeptides enhance the engraftment of bone marrow transplants, hemopoietic reconstruction, bone marrow re-population and peripheral stem cell mobilization, preferably after chemotherapy or irradiation. The invention further provides methods of treatment and for using these oligopeptides in the preparation of pharmaceutical compositions.

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